



SEQUENCE LISTING

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NOREN, CHRISTOPHER J.

<120> SURFACE DISPLAY OF SELENOCYSTEINE-CONTAINING PEPTIDES

<130> NEB-164-PUS

<140> 09/937,187

<141> 2001-09-21

<150> 60/134,286

<151> 1999-05-14

<150> PCT/US00/13292

<151> 2000-05-12

<160> 42

<170> PatentIn Ver. 2.0

<210> 1

<211> 38

<212> RNA

<213> Synthetic

<220>

<223> At positions 1, 2, 4, 5, 7, 8, 10, 11, 17, 17, 19, 20, 22 and 23: N = A,
G, C, or U

<220>

<223> At positions 3, 6, 9, 12, 18, 21 and 24: K = G or U

<400> 1

nnknnknnkn nkugannknn knnkucggcc gaaacaug 38

<210> 2

<211> 24

<212> DNA

<213> Synthetic

<400> 2

tcgtcttttc cttgaaagtc gcct 24

<210> 3

<211> 24

<212> DNA

<213> Synthetic

<400> 3

aagtgtacgc tttgatctat gctg 24

<210> 4

<211> 24

<212> DNA

<213> Synthetic

<400> 4

ttgcttttgc cttgaaatgt tctt

24

<210> 5

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<400> 5

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24

<210> 6

<211> 24

<212> DNA

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<400> 6

catattccgc cgtgaacgaa tcct

24

<210> 7

<211> 24

<212> DNA

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<400> 7

aaggctctgt gttgacagga ttcg

24

<210> 8

<211> 24

<212> DNA

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<400> 8

cttcttccgt gttgagctca gccg

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<212> DNA

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<400> 9

catcatccga cttgagctaa gcag

24

<210> 10

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<400> 10

atgcctccta cgtgaatggc tacg

24

<210> 11

<211> 24

<212> DNA

<213> Synthetic

<400> 11

aattgggtttt cttgactgac tacg

24

<210> 12

<211> 24

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<400> 12

ctgcatccga cgtgagctcg gcct

24

<210> 13

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<212> DNA

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gatagggggc cttgagcgaa gatt

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ttgccgcgtc agtgatggtc tccg

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<212> DNA

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<400> 17

gaggcgtcgc gttgatgttc gact

24

<210> 18

<211> 24

<212> DNA

<213> Synthetic

<400> 18

aagttggctc gttgatcggc gtcg

24

<210> 19

<211> 24

<212> DNA

<213> Synthetic

<400> 19

aatggggcgc agtgatcgag gcat

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<212> DNA

<213> Synthetic

<400> 23

attgtggagt cgtgattgaa tccg

24

<210> 24

<211> 24

<212> DNA

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<400> 24

acgcagcgta tgtgattgcc gccc

24

<210> 25

<211> 24

<212> DNA

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gtgcagtata cgtgattgcc gaag

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gctgggcagt cgtgatcgac tgat

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<210> 27

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<400> 27

ctgtctgcga gtcgatcgca gttt

24

<210> 28

<211> 8

<212> PRT

<213> Synthetic

<220>

<223> At position 5, Xaa = Selenocysteine

<400> 28

Ser Ala Arg Val Xaa His Gly Pro

1

5

<210> 29

<211> 98

<212> DNA

<213> Synthetic

<400> 29

catgtttcgg ccgtaccgac cgattggtgc agacctgcaa ccgatgggcc gtgtcagaca 60

cgagcgctag agtgagaata gaaaggtacc cgggcatg

98

<210> 30

<211> 25

<212> DNA

<213> Synthetic

<400> 30

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25

<210> 31

<211> 20

<212> DNA

<213> Synthetic

<400> 31
ccctcatagt tagcgtaacg

20

<210> 32
<211> 10
<212> PRT
<213> Synthetic

<220>
<223> At position 5, Xaa = Selenocysteine

<400> 32
Ser Ala Arg Val Xaa His Gly Pro Ser Val
1 5 10

<210> 33
<211> 85
<212> DNA
<213> Synthetic

<220>
<223> At positions 36, 39, 42, 48, 51, 54 and 57: M = A or C

<220>
<223> At positions 37, 38, 40, 41, 43, 44, 49, 50, 52, 53, 55, 56, 58 and 59: N
= A, C, T or G

<400> 33
catgtttcgg ccgattggtg cagacctgca accgamnnnn nmntcamnn mnnnnnnmna 60
gagtgagaat agaaaggtag ccggg 85

<210> 34
<211> 85
<212> DNA
<213> Synthetic

<220>
<223> At positions 36, 39, 42, 48, 51, 54 and 57: M = A or C

<220>
<223> At positions 37, 38, 40, 41, 43, 49, 50, 52, 53, 55, 56, 58 and 59: N = A,
C, T or G

<400> 34
catgtttcgg ccgattggtg cagacctgca accgamnnnn nmnatcamnn mnnnnnnmna 60
gagtgagaat agaaaggtag ccggg 85

<210> 35
<211> 8
<212> PRT
<213> Synthetic

<400> 35
Ser Ala Arg Val Leu Cys Asn His
1 5

<210> 36
<211> 6
<212> PRT
<213> Synthetic

<400> 36
His Pro Gln Gly Pro Pro
1 5

<210> 37
<211> 100
<212> DNA
<213> Synthetic

<400> 37
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ggatggcttt ccgcagagtg agaataaaaa ggtacccggg 100

<210> 38
<211> 100
<212> DNA
<213> Synthetic

<400> 38
catgttttcgg ccgattgatg aagcccagcc acgcttgggc cgtggcacgg tggaccttgc 60
ggatggcatt ccgcagagtg agaataaaaa ggtacccggg 100

<210> 39
<211> 100
<212> DNA
<213> Synthetic

<400> 39
catgttttcgg ccgattggtg cagacctgca accgatgggc cgtgtcacgg tggaccttgc 60
ggatggcatt ccgcagagtg agaataaaaa ggtacccggg 100

<210> 40
<211> 33
<212> RNA
<213> Synthetic

<220>
<223> At positions 7, 8, 10, 11, 13, 14, 16, 17, 19, 20, 22, 23, 25 and 26: N =
G, A, U, or C

<220>
<223> At positions 9, 12, 15, 18, 21, 24 and 27: K = U and G

<400> 40
gcgugcnnkn nknnknnknn knnknnkuga uaa 33

<210> 41
<211> 23
<212> PRT

<213> Synthetic

<220>

<223> At positions 3 through 9, Xaa = any amino acid

<220>

<223> At position 10, Xaa = selenocysteine

<400> 41

Ala	Cys	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	His	Gly	Pro	Ser	Val	Ala
1				5						10						15

Gly	Leu	His	Gln	Ser	Ala	Glu
			20			

<210> 42

<211> 6

<212> PRT

<213> synthetic

<400> 42

His	Pro	Gln	Gly	Pro	Thr
1				5	